

ENTERED



#2

RAW SEQUENCE LISTING

DATE: 09/09/2002

PATENT APPLICATION: US/09/917,372

TIME: 11:50:16

Input Set : A:\pc0050us_seqlisting.txt

Output Set: N:\CRF4\09092002\I917372.raw

```

2 <110> APPLICANT: Lal, Preeti G.
3   Warren, Bridget A.
5 <120> TITLE OF INVENTION: TNF RECEPTOR 2 RELATED PROTEIN VARIANT
7 <130> FILE REFERENCE: PC-0050 US
C--> 9 <140> CURRENT APPLICATION NUMBER: US/09/917,372
C--> 10 <141> CURRENT FILING DATE: 2002-09-09
12 <160> NUMBER OF SEQ ID NOS: 20
13 <170> SOFTWARE: PERL Program
15 <210> SEQ ID NO: 1
16 <211> LENGTH: 399
17 <212> TYPE: PRT
18 <213> ORGANISM: Homo sapiens
20 <220> FEATURE:
21 <221> NAME/KEY: misc_feature
22 <223> OTHER INFORMATION: Incyte ID No: 7497867CD1
24 <400> SEQUENCE: 1
25 Met Leu Leu Pro Trp Ala Thr Ser Ala Pro Gly Leu Ala Trp Gly
26   1           5           10           15
27 Pro Leu Val Leu Gly Leu Phe Gly Leu Leu Ala Ala Ser Gln Pro
28           20           25           30
29 Gln Ala Val Pro Pro Tyr Ala Ser Glu Asn Gln Thr Cys Arg Asp
30           35           40           45
31 Gln Glu Lys Glu Tyr Tyr Glu Pro Gln His Arg Ile Cys Cys Ser
32           50           55           60
33 Arg Cys Pro Pro Gly Thr Tyr Val Ser Ala Lys Cys Ser Arg Ile
34           65           70           75
35 Arg Asp Thr Val Cys Ala Thr Cys Ala Glu Asn Ser Tyr Asn Glu
36           80           85           90
37 His Trp Asn Tyr Leu Thr Ile Cys Gln Leu Cys Arg Pro Cys Asp
38           95          100          105
39 Pro Val Met Gly Leu Glu Glu Ile Ala Pro Cys Thr Ser Lys Arg
40          110          115          120
41 Lys Thr Gln Cys Arg Cys Gln Pro Gly Met Phe Cys Ala Ala Trp
42          125          130          135
43 Ala Leu Glu Cys Thr His Cys Glu Leu Leu Ser Asp Cys Pro Pro
44          140          145          150
45 Gly Thr Glu Ala Glu Leu Lys Asp Glu Val Gly Lys Gly Asn Asn
46          155          160          165
47 His Cys Val Pro Cys Lys Ala Gly His Phe Gln Asn Thr Ser Ser
48          170          175          180
49 Pro Ser Ala Arg Cys Gln Pro His Thr Arg Cys Glu Asn Gln Gly
50          185          190          195
51 Leu Val Glu Ala Ala Pro Gly Thr Ala Gln Ser Asp Thr Thr Cys

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Input Set : A:\pc0050us_seqlisting.txt

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```

52          200          205          210
53 Lys Asn Pro Leu Glu Pro Leu Pro Pro Glu Met Ser Gly Ser Leu
54          215          220          225
55 Leu Lys Arg Arg Pro Gln Gly Glu Gly Pro Asn Pro Val Ala Gly
56          230          235          240
57 Ser Trp Glu Pro Pro Lys Ala His Pro Tyr Phe Pro Asp Leu Val
58          245          250          255
59 Gln Pro Leu Leu Pro Ile Ser Gly Asp Val Ser Pro Val Ser Thr
60          260          265          270
61 Gly Leu Pro Ala Ala Pro Val Leu Glu Ala Gly Val Pro Gln Gln
62          275          280          285
63 Gln Ser Pro Leu Asp Leu Thr Arg Glu Pro Gln Leu Glu Pro Gly
64          290          295          300
65 Glu Gln Ser Gln Val Ala His Gly Thr Asn Gly Ile His Val Thr
66          305          310          315
67 Gly Gly Ser Met Thr Ile Thr Gly Asn Ile Tyr Ile Tyr Asn Gly
68          320          325          330
69 Pro Val Leu Gly Gly Pro Pro Gly Pro Gly Asp Leu Pro Ala Thr
70          335          340          345
71 Pro Glu Pro Pro Tyr Pro Ile Pro Glu Glu Gly Asp Pro Gly Pro
72          350          355          360
73 Pro Gly Leu Ser Thr Pro His Gln Glu Asp Gly Lys Ala Trp His
74          365          370          375
75 Leu Ala Glu Thr Glu His Cys Gly Ala Thr Pro Ser Asn Arg Gly
76          380          385          390
77 Pro Arg Asn Gln Phe Ile Thr His Asp
78          395
80 <210> SEQ ID NO: 2
81 <211> LENGTH: 1982
82 <212> TYPE: DNA
83 <213> ORGANISM: Homo sapiens
85 <220> FEATURE:
86 <221> NAME/KEY: misc_feature
87 <223> OTHER INFORMATION: Incyte ID No: 7497867CB1
89 <400> SEQUENCE: 2
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91 cccggcctgg ccgctcccgg ccctgggggtg cacatcggcc ctgagtcctc tcccaggctc 120
92 tgggctcggg cagccgcccgc caccgctgcc caggacgtcg ggcctcctgc cttcctccca 180
93 ggcccccaacg ttgctggccg cctggccgag tggccgcat gctcctgcct tgggccacct 240
94 ctgcccccg cctggcctgg gggcctctgg tgcctgggct cttcgggctc ctggcagcat 300
95 cgcagcccca ggcggtgcct ccatatgcgt cggagaacca gacctgcagg gaccaggaaa 360
96 aggaatacta tgagccccag caccgcatct gctgctcccg ctgcccgcca ggcacctatg 420
97 tctcagctaa atgtagccgc atccgggaca cagtttgtgc cacatgtgcc gagaattcct 480
98 acaacgagca ctggaactac ctgaccatct gccagctgtg ccgcccctgt gaccagtgta 540
99 tgggcctcga ggagattgcc ccctgcacaa gcaaacggaa gaccagtgct cgctgccagc 600
100 cgggaatgtt ctgtgctgcc tgggccctcg agtgtacaca ctgcgagcta ctttctgact 660
101 gccgcctgg cactgaagcc gagctcaaag atgaagttgg gaagggtaac aaccactgcg 720
102 tcccctgcaa ggcagggcac ttccagaata cctcctccc cagcgcccgc tgccagcccc 780
103 acaccaggtg tgagaaccaa ggtctggtgg aggcagctcc aggcactgcc cagtccgaca 840

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Input Set : A:\pc0050us_seqlisting.txt

Output Set: N:\CRF4\09092002\I917372.raw

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104 caacctgcaa aaatccatta gagccactgc cccagagat gtcaggatcg ctgctcaaga 900
105 ggcgtccgca gggagagggga cccaatcctg tagctggaag ctgggagcct ccgaaggccc 960
106 atccatactt ccctgacttg gtacagccac tgctacccat ttctggagat gtttccccag 1020
107 tatccactgg gctccccgca gccccagttt tggaggcagg ggtgccgcaa cagcagagtc 1080
108 ctctggacct gaccaggagg ccgcagttgg aaccggggga gcagagccag gtggcccacg 1140
109 gtaccaatgg cattcatgtc accggcgggt ctatgactat cactggcaac atctacatct 1200
110 acaatggacc agtactgggg ggaccaccgg gtccctggaga cctcccagct acccccgaac 1260
111 ctccataccc cattcccga gagggggacc ctggccctcc cgggctctct acaccccacc 1320
112 aggaagatgg caaggcttgg cacctagcgg agacagagca ctgtggtgcc acaccctcta 1380
113 acagggggccc aaggaaccaa tttatcacc atgactgact gagtctgaga aaaggcagaa 1440
114 gaagggggggc acaagggcac cttctccctt gaggtgccc tgcccacgtg ggattcacag 1500
115 gggcctgagt agggcccggg gaagcagagc cctaagggat taaggctcag acacctctga 1560
116 gagcaggttg gcactggctg ggtacggtgc cctccacagg actctcccta ctgcctgagc 1620
117 aaacctgagg cctcccgca gaccaccca cccctgggg ctgctcagcc tcaggcacgg 1680
118 acagggcaca tgataccaac tgctgccac tacagcacgc cgcaccggag caggcacccg 1740
119 agggagccgc cacacggtca cctgcaagga cgtcacgggc cctctaaag gattcgtggt 1800
120 gctcatcccc aagcttcaga gaccctttgg ggttccacac ttacgtgga ctgaggtaga 1860
121 cctgcatga agatgaaatt ataggaggga cgctccttcc ctcccctcct agaggagagg 1920
122 aaaggagtc attacaact aggggggttg gtaggattcc taggtatggg gaagagtttt 1980
123 gg 1982
125 <210> SEQ ID NO: 3
126 <211> LENGTH: 392
127 <212> TYPE: DNA
128 <213> ORGANISM: Homo sapiens
130 <220> FEATURE:
131 <221> NAME/KEY: misc_feature
132 <223> OTHER INFORMATION: Incyte ID No: 8113313H1
134 <400> SEQUENCE: 3
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136 cccggccttg ccgctcccg ccctggggtg cacatcggcc ctgagtcctg tcccaggctc 120
137 tgggctcggg cagccgcgc caccgtgcc caggacgtcg ggctcctgc cttcctccca 180
138 ggccccacg ttgtggccg cctggccgag tggccgccat gctcctgct tgggccacct 240
139 ctgcccccg cctggcctg gggcctctg tgctgggct cttcgggctc ctggcagcat 300
140 cgcagcccca ggcggtgcct ccatatgcgt cggagaacca gacctgcagg gaccaggaaa 360
141 aggaatacta tgagccccag caccgcact gc 392
143 <210> SEQ ID NO: 4
144 <211> LENGTH: 526
145 <212> TYPE: DNA
146 <213> ORGANISM: Homo sapiens
148 <220> FEATURE:
149 <221> NAME/KEY: misc_feature
150 <223> OTHER INFORMATION: Incyte ID No: 8235763H1
152 <400> SEQUENCE: 4
153 ctgagctccg ccatgggagc cctggaggcc cggcctggcc gctcccggcc ctgggggtgca 60
154 catcgccct gagtcccgtc ccaggctctg ggctcgggca gccgcgcca ccgctgcca 120
155 ggacgtcggg cctcctgcct tctccagg cccccacgtt gctggccgcc tggccgagt 180
156 gccgccatgc tctgacctg ggccacctct gccccgggcc tggcctgggg gcctctggtg 240
157 ctgggctct tcgggctcct ggcagcatcg cagccccagg cggtgctcc atatgcgtcg 300
158 gagaaccaga cctgcaggga ccaggaaaag gaatactatg agccccagca ccgcatctgc 360

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Output Set: N:\CRF4\09092002\I917372.raw

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159 tgctcccgt gcccgccagg cacctatgtc tcagctaaat gtagccgcat ccggggacaca 420
160 gtttgtgcc catgtgccga gaattcctac aacgagcact ggaactacct gaccatctgc 480
161 cagctgtgcc gccctgtga cccagtgtg ggcctcgagg agattg 526
163 <210> SEQ ID NO: 5
164 <211> LENGTH: 436
165 <212> TYPE: DNA
166 <213> ORGANISM: Homo sapiens
168 <220> FEATURE:
169 <221> NAME/KEY: misc_feature
170 <223> OTHER INFORMATION: Incyte ID No: 4048821H1
172 <400> SEQUENCE: 5
173 gaactacctg accatctgcc agctgtgccg cccctgtgac ccagtgtgga gcctcgagga 60
174 gattgcccc tgcacaagca aacggaagac ccagtgccgc tgccagccgg gaatgttctg 120
175 tgctgcctgg gccctcgagt gtacacactg cgagctactt tctgactgcc cgcttggcac 180
176 tgaagccgag ctcaaagatg aagttgggaa gggtacaac cactgcgtcc cctgcaaggc 240
177 agggcacttc cagaatacct cctccccag cgctcgtgc cagccccaca ccaggtgtga 300
178 gtgatgggccc tcgaggagat tgccccctgc acaagcaaac ggaagaccca gtgccgtgc 360
179 cagccgggaa tgttctgtgc tgccctgggccc ctcgagtgtg cacactgcga gctactttct 420
180 gactgcccgc ctggca 436
182 <210> SEQ ID NO: 6
183 <211> LENGTH: 135
184 <212> TYPE: DNA
185 <213> ORGANISM: Homo sapiens
187 <220> FEATURE:
188 <221> NAME/KEY: misc_feature
189 <223> OTHER INFORMATION: Incyte ID No: 2105134H1
191 <400> SEQUENCE: 6
192 tgatgggcct cgaggagatt gccccctgca caagcaaacg gaagacccag tgccgtgcc 60
193 agccgggaat gttctgtgct gcctgggccc tcgagtgtac aactgcgag ctactttctg 120
194 actgcccgcc tggca 135
196 <210> SEQ ID NO: 7
197 <211> LENGTH: 651
198 <212> TYPE: DNA
199 <213> ORGANISM: Homo sapiens
201 <220> FEATURE:
202 <221> NAME/KEY: misc_feature
203 <223> OTHER INFORMATION: Incyte ID No: 7716364H1
205 <400> SEQUENCE: 7
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207 cccagtactg gtccattgta gatgtagatg ttgccagtga tagtcataga cccgccggtg 120
208 acatgaatgc catttggtacc gtgggccacc tggctctgct ccccggttc caactgcggc 180
209 tccctggtca ggtccagagg actctgctgt tgccggcacc ctgcctcaa aactggggct 240
210 gcggggagcc cagtggatac tggggaaaca tctccagaaa tgggtagcag tggctgtacc 300
211 aagtcaggga agtatggatg ggccttcgga ggctccagc ttccagctac aggattgggt 360
212 ccctctccct gcggacgctt cttgagcagc gatcctgaca tctctggggg cagtggctct 420
213 aatggatttt tgcaggttgt gtcggactgg gcagtgcctg gagctgcctc caccagacct 480
214 tggttctcac acctgggtgtg gggctggcag cagggcgctg ggggaggagg tattctggaa 540
215 gtgccctgcc ttgcagggga cgcagtgtt gttacccttc ccaacttcat ctttgagctc 600
216 ggctacagtg gcaggcgggc agtcagaaa tagctcgag gtgtacactc g 651

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Input Set : A:\pc0050us_seqlisting.txt

Output Set: N:\CRF4\09092002\I917372.raw

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219 <211> LENGTH: 574
220 <212> TYPE: DNA
221 <213> ORGANISM: Homo sapiens
223 <220> FEATURE:
224 <221> NAME/KEY: misc_feature
225 <223> OTHER INFORMATION: Incyte ID No: 8234468H1
227 <400> SEQUENCE: 8
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229 ccactgcccc cagagatgtc aggatcgtct ctcaagaggc gtccgcaggg agagggagccc 120
230 aatcctgtag ctggaagctg ggagcctccg aaggcccatc catacttccc tgacttggtta 180
231 cagccactgc taccatttcc tggagatgtt tccccagtat ccactgggct cccgcagcc 240
232 ccagttttgg aggcaggggt gccgcaacag cagagtcctc tggacctgac cagggagccg 300
233 cagttggaac ccggggagca gagccagggt gccacaggta ccaatggcat tcatgtcacc 360
234 ggcgggtcta tgactatcac tggcaacatc tacatctaca atggaccagt actgcgggga 420
235 ccaccgggtc ctggagacct cccagctacc cccgaacctc catacccat tcccgaagag 480
236 ggggacctg gccctcccgg gctctctaaa ccccaccagg aagatggcaa ggcttgggac 540
237 ctacgggaga cagagcactg tggcgcacac cctc 574
239 <210> SEQ ID NO: 9
240 <211> LENGTH: 425
241 <212> TYPE: DNA
242 <213> ORGANISM: Homo sapiens
244 <220> FEATURE:
245 <221> NAME/KEY: misc_feature
246 <223> OTHER INFORMATION: Incyte ID No: 7716340H1
248 <400> SEQUENCE: 9
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250 catgactggt ccattgtaga tgtagatgtt gccagtgata gtcatagacc cgccggtgac 120
251 atgaatgcca ttggtaccgt gggccacctg gctctgtctc ccgggttcca actgcggctc 180
252 cctggtcagg tcagaggac tctgtgttgc cggcaccctt gcctccaaaa ctggggctgc 240
253 ggggagccca gtggatactg gggaaacatc tccagaaatg ggtagcagtg gctgtaccaa 300
254 gtcagggaag tatggatggg ccttcggagg ctcccagctt ccagctacag gattgggtcc 360
255 ctctccctgc ggacgcctct tgagcagcga tcctgacatc tctgggggca gtggctctaa 420
256 tggat 425
258 <210> SEQ ID NO: 10
259 <211> LENGTH: 219
260 <212> TYPE: DNA
261 <213> ORGANISM: Homo sapiens
263 <220> FEATURE:
264 <221> NAME/KEY: misc_feature
265 <223> OTHER INFORMATION: Incyte ID No: 697459H1
267 <220> FEATURE:
268 <221> NAME/KEY: unsure
269 <222> LOCATION: 76, 131
270 <223> OTHER INFORMATION: a, t, c, g, or other
272 <400> SEQUENCE: 10
273 cagcgtccg atcactggca acatctacat ctacaatgga ccagtactgg ggggaccacc 60
W--> 274 gggctcctga gacctnccag ctacccccga acctccatac cccattcccg aagaggggga 120
W--> 275 ccctggccct nccgggctct ctacacccca ccaggaagat ggcaaggctt ggcacctagc 180

```

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/917,372

DATE: 09/09/2002
TIME: 11:50:17

Input Set : A:\pc0050us_seqlisting.txt
Output Set: N:\CRF4\09092002\I917372.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:10; N Pos. 76,131

VERIFICATION SUMMARY

DATE: 09/09/2002

PATENT APPLICATION: US/09/917,372

TIME: 11:50:17

Input Set : A:\pc0050us_seqlisting.txt

Output Set: N:\CRF4\09092002\I917372.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application Number
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:274 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:60
L:275 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:120

STATISTICS SUMMARY

PATENT APPLICATION: US/09/917,372

DATE: 09/09/2002

TIME: 11:50:17

Input Set : A:\pc0050us_seqlisting.txt

Output Set: N:\CRF4\09092002\I917372.raw

Application Serial Number: US/09/917,372

Alpha or Numeric or Xml: Numeric

Application Class:

Application File Date: 09-09-2002

Art Unit:

Software Application: OTHER

Total Number of Sequences: 20

Total Nucleotides: 9231

Total Amino Acids: 1249

Number of Errors: 0

Number of Warnings: 2

Number of Corrections: 2

MESSAGE SUMMARY

270 C: 1 (Current Application Number differs)

271 C: 1 (Current Filing Date differs)

341 W: 2 ((46) "n" or "Xaa" used)